查询JQX-141FF/009DNILNILG供应商

JQX-141FF MINIATURE HIGH POWER RELAY

c UL us
E133481

CQC
File No.:C02001001955

Features

- 10A switching capabilities
- SPST-NO, SPST-NC and SPDT configuration
- 5KV dielectric between coil to contac
- Sealed IP67 & Flux proof types available

CONTACT DATA

Contact Arrangement	1A, 1B, 1C	
Initial Contact Resistance Max.	50mΩ(at 1A 6VDC)	
Contact Material	Silver Alloy	
Contact Rating (Res.load)	Standard	High Capacity
	8A 250VAC /30VDC 10A 125VAC	10A 30VDC 10A 250VAC
Max. switching power	2000VA/240W	2500VA/300W
Max. switching current	10A	
Max. switching voltage	250VAC/30VDC	
Mechanical life	1 x 10^7OPS	
Electrical life	1 x 10^5OPS	

CHARACTERISTICS

Initial Insulation Resistance		1000MΩ(500VDC)
Dielectric Strength	Between coil and contacts	5000VAC 1min.
	Between open contacts	1000VAC 1min.
Operate time (at nomi. Volt.)		Max. 15ms
Release time (at nomi. Volt.)		Max. 5ms
Vibration Resistance		1.5mm, 10 to 55Hz
Shock Resistance	Functional	100 m/s²
	Destructive	1000 m/s²
Humidity		80%RH(+40°C)
Ambient temperature		-40 to +70°C
Termination		PCB
Unit weight		Approx. 13g
Construction		Sealed IP67 & Flux proof

COIL

Coil power	Standard: 0.72W, Sensitive: 0.55W

COIL DATA

Standard Type

Nominal Voltage VDC	Pick-up Voltage VDC	Drop-out Voltage VDC	Max. allowable Voltage VDC(at 20°C)	Coil Resistance Ω
5	4.0	0.5	5.5	36 ± 10%
6	4.8	0.6	6.6	50 ± 10%
9	7.2	0.9	9.9	115 ± 10%
12	9.6	1.2	13.2	200 ± 10%
18	14.4	1.8	19.8	460 ± 10%
24	19.2	2.4	26.4	820 ± 10%
48	38.4	4.8	52.8	3300 ± 10%

Sensitive Type

Nominal Voltage VDC	Pick-up Voltage VDC	Drop-out Voltage VDC	Max. allowable Voltage VDC(at 20°C)	Coil Resistance Ω
5	4.0	0.5	6.5	47 ± 10%
6	4.8	0.6	7.8	68 ± 10%
9	7.2	0.9	11.7	155 ± 10%
12	9.6	1.2	15.6	270 ± 10%
18	14.4	1.8	23.4	620 ± 10%
24	19.2	2.4	31.2	1100 ± 10%
48	38.4	4.8	62.4	4400 ± 10%

Note: When require pick-up voltage < 80% of nominal voltage, special order allowed.

SAFETY APPROVAL RATINGS

UL	High Capacity	10A 30VDC/250VAC
	Standard	8A 30VDC/250VAC 10A 125VAC
UL		8A 30VDC 8A 250VAC

ORDERING INFORMATION

JQX-141FF	/	012	H	S	P	G

Type

Coil voltage 5, 6, 9, 12, 18, 24, 48VDC

Contact arrangement **H:**1A(SPST-NO) **D:**1B(SPST-NC) **Z:**1C(SPDT)

Structure **S:** Sealed IP67 **Nil:** Flux proof

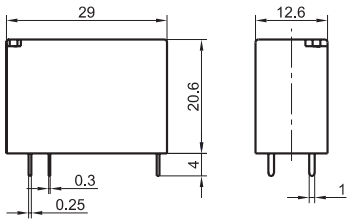
Coil Power **P:** Standard **Nil:** Sensitive

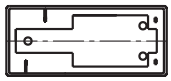
Contact capacity **G:**High capacity **Nil:** Standard type

OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT

Outline Dimensions

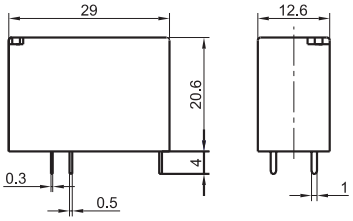
1 Form A type

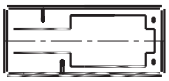




(Bottom view)

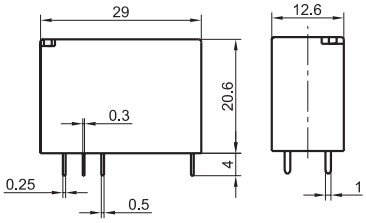
1 Form B type

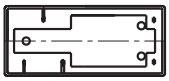




(Bottom view)

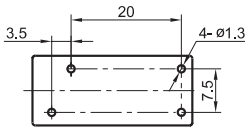
1 Form C type

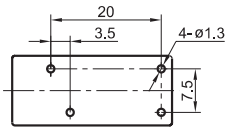


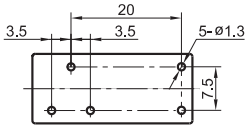


(Bottom view)

PCB layout



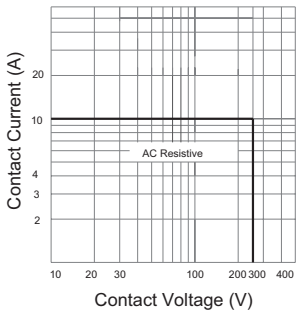




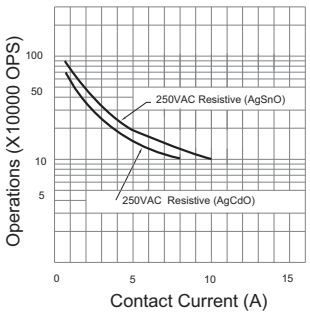
Wiring Diagram

CHARACTERISTICS CURVE

MAXIMUM SWITCHING POWER



LIFE CURVE



COIL TEMPERATURE RISE